

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 April 2004 (01.04.2004)

PCT

(10) International Publication Number  
WO 2004/027491 A1

(51) International Patent Classification: G02B 26/06,  
26/08, G01N 21/45

(21) International Application Number:  
PCT/GB2003/004034

(22) International Filing Date:  
18 September 2003 (18.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0221675.2 18 September 2002 (18.09.2002) GB  
0319841.3 22 August 2003 (22.08.2003) GB

(71) Applicant (for all designated States except US): TER-  
AVIEW LIMITED [GB/GB]; 302/304 Cambridge  
Science Park, Milton Road, Cambridge, Cambridgeshire  
CB4 0WG (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CLUFF, Julian,  
Alexander [GB/GB]; TeraView Limited, 302/304 Cam-  
bridge Science Park, Milton Road, Cambridge CB4 0WG

(GB). WITHERS, Michael, John [GB/GB]; TeraView  
Limited, 302/304 Cambridge Science Park, Milton Road,  
Cambridge CB4 0WG (GB). BRADLEY, Ian, Vincent  
[GB/GB]; TeraView Limited, 302/304 Cambridg Science  
Park, Milton Road, Cambridge, Cambridgeshire CB4  
0WG (GB).

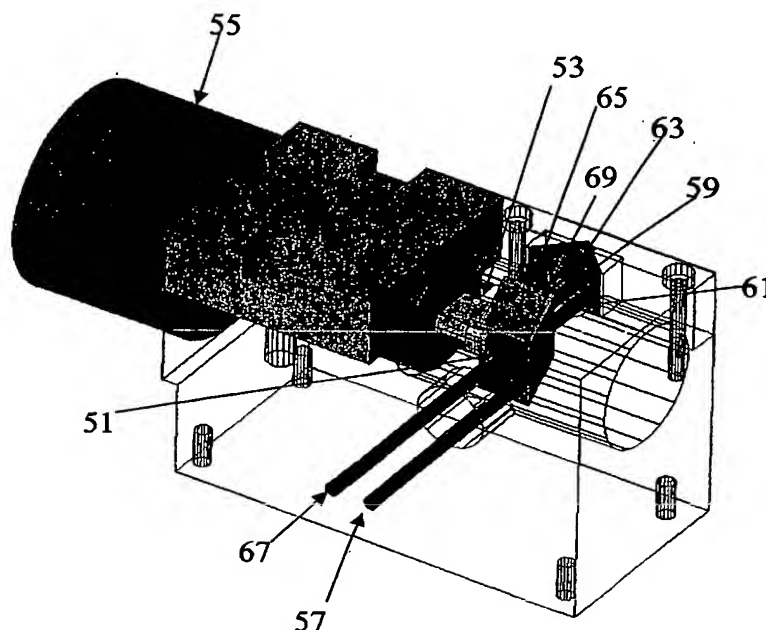
(74) Agent: GRANLEESE, Rhian, Jane; Marks & Clerk,  
57-60 Lincoln's Inn Fields, London WC2A 3LS (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,  
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,  
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,  
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,  
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: APPARATUS FOR VARYING THE PATH LENGTH OF A BEAM OF RADIATION



(57) Abstract: An apparatus for varying the path length of a beam of radiation, the apparatus comprising: an element (51) rotatably mounted about an axis, said element comprising two reflective surfaces in fixed relation to one another such that radiation may be reflected between said reflective surfaces and out of the element (51); and driving means (55) for rotatably oscillating said element about said axis.

WO 2004/027491 A1